

IN THE UNITED STATES RECEIVING OFFICE

Applicant : Marilia Cascalho et al.	Art Unit : 1626
Serial No. : 10/591,212	Examiner : Unknown
Filed : August 31, 2006	Conf. No. : 6644
Title : METHODS FOR ALTERING T CELL DIVERSITY	

**Mail Stop PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

POWER OF ATTORNEY BY ASSIGNEE AND ELECTION OF  
ASSIGNEE TO CONDUCT PROSECUTION TO EXCLUSION OF INVENTORS

The undersigned, as authorized representative of the assignee of the entire right, title and interest in the above-identified application, hereby appoints:

Richard J. Anderson, Reg. No. 36,732	Ronald C. Lundquist, Ph.D., Reg. No. 37,875
Mark S. Ellinger, Ph.D., Reg. No. 34,812	M. Angela Parsons, Ph.D., Reg. No. 44,282
J. Patrick Finn III, Ph.D., Reg. No. 44,109	James A. Rogers, Reg. No. 37,228
Elizabeth N. Kaytor, Ph.D., Reg. No. 53,103	Ruffin B. Cordell, Reg. No. 33,487
Teresa A. Lavoie, Ph.D., Reg. No. 42,782	Dorothy P. Whelan, Reg. No. 33,814

as its attorney to prosecute the application and to transact all business in the Patent and Trademark Office connected therewith with full powers of substitution and revocation, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 CFR §3.71 *et seq.* of the Patent Office Rules of Practice.

Ownership is in the assignee by virtue of the assignment documents (copy attached). The documents evidencing ownership have been reviewed and to the best of the assignee's knowledge and belief, title is in the assignee.

Please direct all communications regarding the application to **Customer Number 26191**.

Signature: Steven P. VanNurden Date: July 11, 2007

Typed name: Steven P. VanNurden

Title: Assistant Treasurer

Assignee: Mayo Foundation for Medical Education and Research

ASSIGNMENT

For valuable consideration, we, Marilia I. Cascalho, of 2247 Ponderosa Drive S.W., Rochester, MN 55902; and Jeffrey L. Platt, of 2115 Merrihills Drive S.W., Rochester, MN 55902; hereby assign to MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, a corporation of Minnesota, having a place of business at 200 First Street S.W., Rochester, MN 55905, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHODS FOR ALTERING T CELL DIVERSITY, filed August 31, 2006, and assigned U.S. Serial Number 10/591,212, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: June 15, 2007 6/15/2007

Maria Candy  
MARILIA I. CASCALHO

STATE OF Minnesota )  
 ) SS.  
COUNTY OF Olmsted )

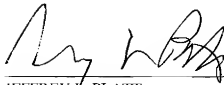
On 15 June, 2007, before me, the undersigned, a notary public for the State of Minnesota, there personally appeared MARILIA I. CASCALHO personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in her authorized capacity and that by her signature on this Assignment, the person or the entity upon behalf of which she acted, executed this Assignment.

WITNESS my hand and official seal.



Cherish Ann Grabau  
Notary Public

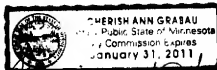
DATE: June 20, 2007

  
JEFFREY L. PLATT

STATE OF Minnesota )  
 ) SS.  
COUNTY OF Olmsted )

On 20 June 2007, before me, the undersigned, a notary public for the State of Minnesota, there personally appeared JEFFREY L. PLATT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



  
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Notary Public